CLAIMS

- 1. A bending apparatus for bending at least one glass sheet placed on a bending mold into a desired shape by heating in a furnace, which comprises a bending mold for placing at least one glass sheet thereon, a tunnel-like heating furnace through which the bending mold is conveyed, a first group of a plurality of heating elements fixed on an inner wall of the heating furnace, and a radiation-heating device having a second group of a plurality of heating elements placed separably from the inner wall surface of the heating furnace.
 - 2. The bending apparatus for at least one glass sheet according to Claim 1, wherein the second group of heating elements radiation-heat locally at least one glass sheet at a predetermined position to provide a predetermined temperature distribution on the glass sheet.
 - 3. The bending apparatus for at least one glass sheet according to Claim 1 or 2, wherein the second group of heating elements are suspended from a ceiling inner wall of the heating furnace at a position opposed to the upper surface of the glass sheet.
- 4. The bending apparatus for at least one glass sheet according to Claim 1, 2 or 3, wherein a distance between the second group of heating elements and the inner wall surface of the heating furnace is variable.
- 5. The bending apparatus for at least one glass sheet according to Claim 1, 2, 3 or 4, wherein each heating

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element of the second group of heating elements has a heater wire and an equally heating plate provided at the heating face side of the heater wire.

- 6. A method of bending at least one glass sheet into a desired shape, which comprises placing at least one glass sheet on a bending mold, introducing the glass sheet placed on the bending mold into a heating furnace having a tunnel-shaped inside, and heating the glass sheet by two types of heating means of a first group of a
- plurality of heating elements fixed on an inner wall surface of the heating furnace and a second group of a plurality of heating elements placed separably from the inner wall surface of the heating furnace.
- 7. The method of bending at least one glass sheet

 15 according to Claim 6, wherein the second group of heating elements radiation-heat locally at least one glass sheet to provide a predetermined temperature distribution on the glass sheet.
 - 8. The method of bending at least one glass sheet according to Claim 6 or 7, wherein the second group of heating elements are suspended from a ceiling inner wall of the heating furnace and disposed at a position opposed to the upper surface of the glass sheet to provide a predetermined temperature distribution on the glass sheet.
 - 9. The method of bending at least one glass sheet according to Claim 6, 7 or 8, wherein a distance between

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the second group of heating elements and the inner wall surface of the heating furnace is variable to provide a predetermined temperature distribution on the glass sheet.

10. The method of bending at least one glass sheet according to Claim 6, 7, 8 or 9, wherein the bending mold having the glass sheet placed thereon is intermittently conveyed so as to stop at each section in the heating furnace.

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